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# NUMBERS & ODDITIES #
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-::: N&O # 62, June 2003 :::-

Hi all, I just returned from a very nice vacation. One without a radio. So, I wasn't able to do much listening in June. Looking at the postings to the various mailing lists, I get the feeling that it was a pretty dull month. There is no news from the voice department but I think that the morse section is pretty interesting this month as is the M42 catch. As always, your info and logs are MOST WELCOME, so please, send your stuff. An easy catch for you can be an interesting one for others!

-0-0-0-0-0-0-0-0-0-0-

\* VOICE STATIONS \*

::: E03 & E04

Lincolnshire Poacher E03  
IDs as of June 1st, 2003

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	68867	68867	68867	68867	68867	68867	68867	1200
1300	91362	91362	91362	91362	91362	91362	91362	1300
1400	88736	26429	50791	61844	68867	23285	50398	1400
1500	50398	88736	26429	50791	61844	68867	19294	1500
1600	19294	50398	88736	26429	50791	61844	23285	1600
1700	23285	19294	50398	88736	26429	50791	68867	1700
1800	68867	23285	19294	50398	88736	26429	61844	1800
1900	61844	91362	23285	91362	50398	88736	91362	1900
2000	91362	68867	91362	19294	91362	50398	50791	2000
2100	50791	61844	68867	23285	19294	91362	26429	2100
2200	26429	50791	61844	68867	23285	19294	88736	2200

Lincolnshire Poacher E03  
IDs as of June 15th, 2003

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
-----	-----	-----	-----	-----	-----	-----	-----	-----

1200	87452	87452	87452	87452	87452	87452	87452	1200
1300	89653	89653	89653	89653	89653	89653	89653	1300
1400	76541	90821	50791	79372	87452	08584	08421	1400
1500	08421	76541	90821	50791	79372	87452	67590	1500
1600	67590	08421	76541	90821	50791	79372	08584	1600
1700	08584	67590	08421	76541	90821	50791	87452	1700
1800	87452	08584	67590	08421	76541	90821	79372	1800
1900	79372	89653	08584	89653	08421	76541	89653	1900
2000	89653	87452	89653	67590	89653	08421	50791	2000
2100	50791	79372	87452	08584	67590	89653	90821	2100
2200	90821	50791	79372	87452	08584	67590	76541	2200

Cherry Ripe E04  
IDs as of Jun 6th, 2003

UTC	Sun	Mon	Tue	Wed	Thu	Fri	UTC
0000		88791	35882	13665	57972	19118	0000
0100		XXXXX	13665	57972	19118	11770	0100
1000		13665	57972	19118	11770	97223	1000
1100		57972	19118	11770	97223	13665	1100
1200		19118	11770	97223	13665	88791	1200
1300		11770	97223	13665	88791	35882	1300
2200	97223	13665	88791	35882	13665		2200
2300	13665	88791	35882	13665	57972		2300

Cherry Ripe E04  
IDs as of Jun 13th, 2003

UTC	Sun	Mon	Tue	Wed	Thu	Fri	UTC
0000		88791	35882	57972	19118		0000
0100		35882	13665	57972	19118	11770	0100
1000		13665	57972	19118	11770	97223	1000
1100		57972	19118	11770	97223	13665	1100
1200		19118	11770	97223	13665	88791	1200
1300		11770	97223	13665	88791	35882	1300
2200	97223	13665	88791	35882	13665		2200
2300	13665	88791	35882	13665	57972		2300

<<<<<>>>>>

::: E10

Only two non-standard E10 logs this month: EZI 1 on 11565 kHz at 2100 UTC on 11 June; logged by Jim.

The second one was heard by Richard in the UK: 7605 kHz, 17 June, "KPA' 1SDJN".

-0-0-0-0-0-0-0-0-0-0-

\* MORSE STATIONS \*

::: MX

- Channel markers:

3336.2 "L"  
3658.0 "V"  
4069.6 "L"  
4325.0 "R"  
4605.0 "P" + various messages (5LGs and 5FGs)  
5465.8 "R"  
5467.4 "R"  
5862.0 "P"  
5111.0 "P"

When Franta recently reported the "L" marker and said that he heard it to his south while St Petersburg is NW of him, I tried to get more bearings from various locations. Quite unexpectedly, we noticed that the "L" marker no longer comes from St. Petersburg but for at least 6 years from a location on the Balkan or even further to the south east, roughly on the axis London-Israel. The axis goes through Montenegro, Albania, Greece, Cyprus and Israel.

Looking at the signal strength and comparing the signal and conditions with other stations in the region, a location on the Balkan (Croatia, Montenegro, Albania, Greece) seems to be the most likely possibility. As the angle of the df's mentioned below is too narrow, we need more bearings to get a good fix on this station, so if you can df it, please send me a note mentioning your location and the bearing for "L" on 3336.2 and/or 4069.6 kHz. Bearings from southern Italy, Greece and Russia would make the picture complete, I think.

We have so far bearings from:

- Baldock (near London), UK (bearings 119 and 120 degrees).
- Netherlands (bearing 125 degrees)
- Klagenfurt, Austria (bearing 144 degrees)

This discovery is most interesting because in the late 1980's the "L" marker was df'ed by both US military in Germany and stations from other W. European countries. The bearing was always towards Leningrad. On top of that a Russian navy radio operator confirmed "L" as St. Petersburg a couple of years ago (I think that was in 1995/96).

We may safely assume that the Russian "L" is off the air now and we only have a station on the Balkan or further south, but where?

TO BE CONTINUED.....

- Cluster beacons:  
 "D", "S", "C", "F", "K" and "M" have been logged on various cluster frequencies. In addition to this "K" was heard on both 7000 and 7078 kHz and "F" on 7078 kHz. Possibly spurious activity.

<<<<<>>>>

::: M10

Enigma's Paul posted a number of M10 messages. The other logs are from Mark and Jochen.

555 738 37 776 22 (rpt)  
 738 94 37 ==  
 94 37 776 72 22 ==  
 72 22 0 0 0

555 714 39 745 56 (rpt)  
 714 25 39 ==  
 21688 ==  
 25 39 745 54 56 ==  
 90992 ==  
 54 56 0 0 0

555 480 28 835 40 (rpt)  
 480 47 28 ==  
 39885 ==  
 47 28 835 62 40 ==  
 15475 ==  
 62 40 0 0 0

555 288 36 242 27 (rpt)  
 288 09 36 ==  
 09 36 242 64 27 ==  
 64 27 0 0 0

Date	UTC	Freq	3x	3x	3x	(rpt 5 mins)
06-6	0410	6780	555	738 37 776 22		
07-6	0410	6780	555	738 37 776 22		
08-6	0210	7380	555	738 37 776 22		
08-6	0400	5860	555	186 20 826 32		
08-6	0410	6780	555	738 37 776 22		
09-6	0400	5860	555	612 41 616 33		
09-6	0410	6780	555	738 37 776 22		
10-6	0410	6780	555	738 37 776 22		
10-6	0450	9165	555	(unreadable)		
11-6	0410	6780	555	738 37 776 22		

12-6	0410	6780	555	738	37	776	22
13-6	0410	6780	555	714	39	745	56
14-6	0210	7380	555	714	39	745	56
14-6	0400	5860	555	612	41	616	33
14-6	0410	6780	555	714	39	745	56
16-6	0450	9165	555	831	38	191	30
17-6	0410	6780	555	714	39	745	56
20-6	0410	6780	555	480	28	835	40
20-6	2100	3808	555	288	36	242	27
20-6	2100	5735	555	288	36	242	27
22-6	0450	9165	555	704	26	248	39
27-6	0410	6780	555	228	25	046	22
29-6	0400	5860	555	417	31	013	50
30-6	0410	6780	555	228	25	046	22

<<<<<>>>>>

::: M18

Heard on 4503 kHz with its typical time strings.

<<<<<>>>>>

::: M21 + VARIANTS

PV0 was logged on 5064.5, 5220, 7190.8 this month. One of the variants was on 5210.4 sending strings like "1992361286162T 299239T1TTT8".

<<<<<>>>>>

::: M83

I haven't seen many M83 lately. Fortunately Fritz has been monitoring this net extensively and sends us the schedules of the past 3 months. Before we come to that, first M83's profile.

General.

Every 15 minutes (H+15, H+30, H+45, H+00) a messages is being sent.  
 Normally QRA is sent 3 times and a series of v followed by +.  
 Series QTCs are sent sporadically in the morning or evening.  
 Text is 5LG, 5FG or mixed (two 5LG, one 5FG).  
 Group count is 20 or 50.  
 Addressees of the 5FGs/5LGs messages are so far always NJ2P and L8KT.  
 Addressees of the 3FGs can be anyone in the net.  
 Time is CE(S)T. Central European (Summer) Time (UTC+1 or UTC+2)  
 The marker changes every hour at H+15.  
 About every 10 days frequency changes.

QRA's tend to shift every now and then.

Date/time groups.

Example: L8KT L8KT L8KT DE J2V4 J2V4 J2V4 QTC 22020905 =

2 = message number

20 = group count

2 = date

0905 = Central European (Summer) Time (UTC+1 or UTC+2)

Message formats. Three different formats were noted so far.

Format 1: VVV markers

MX2N MX2N MX2N VVVVVVVVVVVV VVVVVVVVVVVV VVVVVVVVVVVV +

JPTP JPTP JPTP VVVVVVVVVVVV VVVVVVVVVVVV VVVVVVVVVVVV +

Format 2: 5LGs or 5FGs. Each message consists of 20 or 50 groups.

L8KT L8KT L8KT DE J2V4 J2V4 J2V4 QTC +

L8KT L8KT L8KT DE J2V4 J2V4 J2V4 QTC 12020901 =

LMXPM NAWQT KVUPD HIHQ5 XUBUR MFUFV KDVHY WHNHS YLEZF CHUZS

PMUTG UCWSK TNDZP EJVNO ZBLTY BCUKE UQGFA EVWGA AXDGD SZXLZ +

L8KT L8KT L8KT DE J2V4 J2V4 J2V4 QTC +

L8KT L8KT L8KT DE J2V4 J2V4 J2V4 QTC 22020905

16314 65034 60831 86120 80162 17140 46724 49060 85616 12093

36313 46935 18061 37968 14387 59575 82938 27202 69836 29579 +

Format 3:

KW2P KW2P KW2P DE JPTP JPTP JPTP

284 686 318 386 886 886 340 731 COL

284 686 318 386 886 886 340 731 +

<<<<<>>>>>

Schedules from 11 March till 20 May 2003.

Time	Frequencies / dates						
UTC	5291	5287	5308	5291	5287	5264	5302 kHz
	11/20-3	21/31-3	01/10-4	11/20-4	21/30-4	01/10-5	11/20-5
0015	GRXZ	D7CM	HMRV	HMRV	HMRV	LPWP	LPWP
30, 45, 00	GRXZ	D7CM	HMRV	HMRV	HMRV	LPWP	LPWP
0115	D7CM	HMRV	F8DL	F8DL	F8DL	MX2N	MX2N

30, 45, 00	D7CM	HMRV	F8DL	F8DL	F8DL	MX2N	MX2N
0215	HMRV	F8DL	GRXZ	GRXZ	GRXZ	JPTP	JPTP
30, 45, 00	HMRV	F8DL	GRXZ	GRXZ	GRXZ	JPTP	JPTP
0315	F8DL	GRXZ	D7CM	D7CM	D7CM	J2V4	J2V4
30, 45, 00	F8DL	GRXZ	D7CM	D7CM	D7CM	J2V4	J2V4
0415	GRXZ	D7CM	HMRV	HMRV	HMRV	LPWP	LPWP
30, 45, 00	GRXZ	D7CM	HMRV	HMRV	HMRV	LPWP	LPWP
0515	D7CM	HMRV	F8DL	F8DL	F8DL	MX2N	MX2N
30, 45, 00	D7CM	HMRV	F8DL	F8DL	F8DL	MX2N	MX2N
0615	HMRV	F8DL	GRXZ	GRXZ	GRXZ	JPTP	JPTP
30, 45, 00	HMRV	F8DL	GRXZ	GRXZ	GRXZ	JPTP	JPTP
0715	F8DL	GRXZ	D7CM	D7CM	D7CM	J2V4	J2V4
30, 45, 00	F8DL	GRXZ	D7CM	D7CM	D7CM	J2V4	J2V4
0815	GRXZ	D7CM	HMRV	HMRV	HMRV	LPWP	LPWP
30, 45, 00	GRXZ	D7CM	HMRV	HMRV	HMRV	LPWP	LPWP
0915	D7CM	HMRV	F8DL	F8DL	F8DL	MX2N	MX2N
30, 45, 00	D7CM	HMRV	F8DL	F8DL	F8DL	MX2N	MX2N
1015	HMRV	F8DL	GRXZ	GRXZ	GRXZ	JPTP	JPTP
30, 45, 00	HMRV	F8DL	GRXZ	GRXZ	GRXZ	JPTP	JPTP
1115	F8DL	GRXZ	D7CM	D7CM	D7CM	J2V4	J2V4
30, 45, 00	F8DL	GRXZ	D7CM	D7CM	D7CM	J2V4	J2V4
1215	GRXZ	D7CM	HMRV	HMRV	HMRV	LPWP	LPWP
30, 45, 00	GRXZ	D7CM	HMRV	HMRV	HMRV	LPWP	LPWP
1315	D7CM	HMRV	F8DL	F8DL	F8DL	MX2N	MX2N
30, 45, 00	D7CM	HMRV	F8DL	F8DL	F8DL	MX2N	MX2N
1415	HMRV	F8DL	GRXZ	GRXZ	GRXZ	JPTP	JPTP
30, 45, 00	HMRV	F8DL	GRXZ	GRXZ	GRXZ	JPTP	JPTP
1515	F8DL	GRXZ	D7CM	D7CM	D7CM	J2V4	J2V4
30, 45, 00	F8DL	GRXZ	D7CM	D7CM	D7CM	J2V4	J2V4
1615	GRXZ	D7CM	HMRV	HMRV	HMRV	LPWP	LPWP
30, 45, 00	GRXZ	D7CM	HMRV	HMRV	HMRV	LPWP	LPWP
1715	D7CM	HMRV	F8DL	F8DL	F8DL	MX2N	MX2N
30, 45, 00	D7CM	HMRV	F8DL	F8DL	F8DL	MX2N	MX2N
1815	HMRV	F8DL	GRXZ	GRXZ	GRXZ	JPTP	JPTP
30, 45, 00	HMRV	F8DL	GRXZ	GRXZ	GRXZ	JPTP	JPTP
1915	F8DL	GRXZ	D7CM	D7CM	D7CM	J2V4	J2V4
30, 45, 00	F8DL	GRXZ	D7CM	D7CM	D7CM	J2V4	J2V4
2015	GRXZ	D7CM	HMRV	HMRV	HMRV	LPWP	LPWP
30, 45, 00	GRXZ	D7CM	HMRV	HMRV	HMRV	LPWP	LPWP
2115	D7CM	HMRV	F8DL	F8DL	F8DL	MX2N	MX2N
30, 45, 00	D7CM	HMRV	F8DL	F8DL	F8DL	MX2N	MX2N
2215	HMRV	F8DL	GRXZ	GRXZ	GRXZ	JPTP	JPTP
30, 45, 00	HMRV	F8DL	GRXZ	GRXZ	GRXZ	JPTP	JPTP
2315	F8DL	GRXZ	D7CM	D7CM	D7CM	J2V4	J2V4
30, 45, 00	F8DL	GRXZ	D7CM	D7CM	D7CM	J2V4	J2V4

The schedules continued in June as follows:

5264, 5277, 5287, 5291, 5302, 5308, 5315, 5319, 5321 kHz.

QRAs: 1st set: GRXZ, D7CM, HMRV, F8DL  
Addressees: NJ2P, relayed to: HZ4V, E3XC  
2nd set: LPWP, MX2N, JPTP, J2V4  
Addressees: KW2P, ICJM, L8KT

Message samples:

Freq.	date	UTC	Message
5287	29.3	1745	HMRV HMRV HMRV vvvvvvvvvvvvvvvvvvvvv +
5287	29.3	1802	HMRV HMRV HMRV vvvvvvvvvvvvvvvvvvvvv +
5287	29.3	1816	F8DL F8DL F8DL vvvvvvvvvvvvvvvvvvvvv +
5287	31.3	0721	NJ2P de D7CM QTC 4 20 31 0921 = 5LG +
5287	31.3	0726	NJ2P de D7CM QTC 5 20 31 0925 = 5FG +
5287	31.3	0731	NJ2P de D7CM QTC 6 20 31 0930 = mixed +
5308	09.4	0709	NJ2P de D7CM QTC 2 50 9 0909 = 5FG +
5291	11.4	0722	NJ2P de D7CM QTC 3 50 11 0922 = mixed +
5264	02.5	0802	L8KT de LPWP QTC 6 50 2 1000 = mixed +
5264	02.5	0810	L8KT de LPWP QTC 7 50 2 1008 = 5LG +
5264	02.5	0816	L8KT de LPWP QTC 8 50 2 1015 = 5FG +
5302	14.5	1946	J2V4 J2V4 J2V4 vvvvvvvvvvvvvvvvvvvvv +
5302	11.6	0902	L8KT de LPWP QTC 16 20 11 1103 = 5LG
5302	11.6	0912	L8KT de MX2N QTC 18 20 11 1111 = 5FG

<<<<<>>>>

::: M87

Igor found M87 on 9389 kHz at 0205 UTC on 18 June. He missed the callup.

... 001 20 20 = =  
546un 6unt7 4ta75 6573u t4a6d 3n475 d4nt6 4tu6n a73n5 nud53  
n4t3a u7563 6a37u 536d7 t6a73 4tda5 d654u 546n7 a7n3t 4adun  
= = 333 333 = =  
001 001 20 20 = =  
546un 6unt7 4ta75 6573u t4a6d 3n475 d4nt6 4tu6n a73n5 nud53  
n4t3a u7563 6a37u 536d7 t6a73 4tda5 d654u 546n7 a7n3t 4adun  
= = 999 999 999 000 t t t

Another transmission was on 10725 kHz, at 0137 UTC, 22 June.

... 249 249 000 000  
249 249 249 000 000  
249 249 249 000 000  
t t t



-0-0-0-0-0-0-0-0-0-0-

\* VARIOUS MODES \*

Daily catches:

3756 - S30 "Pip"  
3828.9 - XSW "Squeaky Wheel"  
4625 - S28 "Buzzer"  
18090 - "Havana Gurgle" jammer

<<<<<>>>>

::: M42 / X06

Two interesting logs from Igor this month. The "M42" stations used CW in the early 1990's and earlier and switched to RTTY, MFSK and other more advanced modes in the past few years. But every now and then these Morse transmissions pop up. I wonder what may cause that. It could be that the receiving station has problems with its digital equipment. As we know, the operators can send Morse, although not all of them are good at it. Some are very sloppy.

The first one was heard on 13920 kHz at 0430 UTC on 17 June with a message to RNS on link 00213. Mode: Morse, off line encrypted, short zero.

vvv rns rns rns 1/1t4  
11177 tt213 67891 17t39 t1t39 =  
35967 t5212 5574t 42122 67924 77t74 t6816 1239t 2514t 72t88  
93t82 78t35 44t3t 29337 19629 49t4t 9tt28 8t422 18343 t9764  
757tt 72363 19842 66181 32t9t 6tt3t 37114 44115 28535 45448  
17288 5t161 19942 18343 7411t tt71t 36222 9t128 48962 6557t  
64648 49539 795t5 614t1 1t833 92933 694t9 49978 t3t13 262t8  
87991 t781t 28433 33313 78821 83t82 592t5 3t~~1 32749 14659  
61552 138t1 98649 94955 186t7 96516 46242 88148 45655 82958  
55359 38t44 23182 17187 1215t 92828 911t3 t5119 14733 89813  
49665 52377 9884t 518t1 69454 55987 1t7t3 87125 42814 15239  
11943 62469 59148 t82t4 51355 81335 75911 23568 15797 73t29  
79244 75741 7t168 =  
qru qru sk sk

The second one is interesting because the link id for DKR is different from the RTTY counter part. In this message it is 00060 while normally the link id is 70060. The DKR callsign was already in use in the early 1990's.

13979 kHz, 1030 UTC, 5 June. Mode: Morse, off line encrypted, short

zero.

vvv dkr dkr dkr 1/1t1 (rptd)

11177 ttt6t 12345 t5t37 t1t19 =

t3t92 6t3t9 242t2 22448 1t735 51833 68365 93721 34t96 59118

13599 115t9 3t7t2 45572 4642t 49293 27376 98297 93274 77544

46742 737t9 537t5 28546 74881 14252 32213 2t5tt 73t95 4956t

138t6 825t4 51195 24745 761t7 3734t 189t8 515t2 34423 t5162

7t293 7113t 17t36 39956 t9688 28216 12447 5t374 13638 t4876

661t1 65862 77687 48163 151t4 16218 2t243 t2193 28725 2t125

37t21 7t136 19936 48449 894t1 27537 18911 89547 43318 44818

44553 15674 t81t9 43716 84324 53857 77696 72436 791tt 6646t

56t88 43222 1t678 34t22 57268 59688 9t726 78791 94898 48136

1956t 1t641 46253 71954 48186 25347 633t1 66t89 13568 59t26

= qru qru sk sk

Very nice cathces, Igor!

Day captured a Mazielka call on 17463 kHz at 1525 UTC on 1 June,  
followed by RTTY traffic on link 10163 to UDZ 27.

-0-0-0-0-0-0-0-0-0-0-

\* UNID STATIONS \*

This unid station was reported by various radio amateurs:

14190 kHz, 5 April, 2031 UTC, Morse.

"88888" was transmitted every 9.5 seconds.

<<<<<>>>>

This one comes from Maciej who had an accident earlier this month. All  
the best from us at WUN, Maciej.

36650 kHz FM, 1103 UTC, 19 June. OM reading numbers, "319 na 110".

It sounded rather like a weather station than a numbers station.

<<<<<>>>>

Another log from Igor: 8619 kHz, a Chinese station at 1213 UTC, 29 June,  
numbers read by a YL in Chinese.

synthesised voice:

... 372 411

446 468 486 758 483 319 147 372 411 446

486 758 483 019 773 318 353 411 446 467

486 758 483 319 353 411 446 486 758 483

011 773 318 319 353 411 446 486 012 773 1 (send 100 groups)  
 318 319 353 411 446 486 758 483 013 773  
 318 319 353 411 446 486  
 ahr znn sk znn sk  
 chinese phrase

-0-0-0-0-0-0-0-0-0-0-

★ MILITARY STATIONS ★

::: CZECH MILITARY

Operation schedule; compiled by Fritz.

NC	frequencies	UTC	from-till
----	-----	-----	-----
S8BD	4441//5334	0500-2000	01/5-10/5
	3397//2613	2000-0500	01/5-10/5
U4NP	4448//5228	0500-2000	11/5-20/5
	3223//3803	2000-0500	11/5-20/5
CH8N	4766//5011	0500-2000	21/5-31/5
	3339// ??	2000-0500	21/5-31/5
S8BD	4797//5334	0500-2000	01/6-10/6
	3823// ??	2000-0500	01/6-10/6
U4NP	4448//5228	0500-2000	11/6-20/6
	3803//3223	2000-0500	11/6-20/6
CH8N	4766//5011	0500-2000	21/6-30/6
	3339// ??	2000-0500	21/6-30/6

An incident of May 27th proves once again that XXX messages are special flash messages. The "normal" operator was about to change frequency, when he stopped. The following XXX message was then keyed by another operator. 6 Minutes later the first operator was back again and changed QRG.

Sample messages:

Freq.	date	UTC	Message
-----	-----	-----	-----
3339	02-5	2008	C6CP de S8BD XXX KAJUTA 596 KAJUTA 596 K
4441	09-5	1851	S8BD de U5NR 833 col 833 k
4441	09-5	2001	C6CP de S8BD 312 707 916 720 col (rpt'd) k (QRG changes)

4766 22-5 1907 TR2F de CH8N QTC 73 20 22 2105=137 TR2F=....  
 4766 27-5 2000 TR2F de CH8N  
 4766 27-5 2002 TR2F de CH8N XXX TAVBA 823 TAVBA 823 k  
 4766 27-5 2008 TR2F de CH8N 661 890 318 705 col (rpt'd) k  
 4766 31-5 1933 TR2F de CH8N QTC 71 20 31 2133=114 TR2F= txt  
 4797 02-6 1937 C6CP de S8BD QTC 78 25 2 2135 = 564 C6CP = txt  
 3803 20-6 2035 HRT6 de U4NP XXX PSTRUH 314 XXX PSTRUH 314 k  
 4766 23-6 1949 CH8N de A8B5 893 col 893 k  
 A8B5 de CH8N ok 893 k  
 4766 23-6 2000 TR2F de CH8N 231 346 033 369 col (rpt'd) k  
 3339 23-6 2002 all stations: adjusting transmitters.

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::: CHINESE MILITARY

Igor and our Japanese monitors reported the following typical Chinese strings but no report of the most famous one "L9CC".

8038 kHz: V LA5S LA5S LA5S DE NH8T NH8T  
 8650 kHz: V RXP7 RXP7 XRP7 DE CZT2 CZT2  
 8808 kHz: V GUGM GUGM GUGM DE Z702 Z702  
 10860 kHz: V RXP7 RXP7 XRP7 DE CZT2 CZT2

10860 kHz, 0200 UTC, 16 June.

v rxp7 rxp7 rxp7 de czt2 czt2 (endless string)  
 hr cq 7 gq  
 zg nr 14t3/ex ck 378 21 t616 1ttt  
 zg nr 14t3/ex ck 378 21 t616 1ttt = = =  
 674t udn5 6a65 75n7 udn5 43dd 574n n34t 545a du76  
 6ut6 4t7n nda7 au43 4663 u7na u43a 367d dt3t nd4t  
 5t36 3ua7 57at 5dn5 aun4 an53 d765 76ut 6d5a 7tnd  
 uda5 t4u6 7uta 6453 3aau 67a3 456n 3564 ut3d 3aau  
 7t43 un3d 6nd6 547n 6t3u 3tdu du7t 5tu7 76tn t4ud  
 43ut 467a nd3a 7t56 7d36 545u ua5n adn3 unad 4a5t  
 uta3 7356 d664 aund 6tn5 3t34 au3n dtua 54d6 3tu3  
 5674 n73d u674 3unt uda7 6tn7 d575 377n 4u5t t4n5  
 n743 6a5t 5a54 tu54 3atn ndu3 36tn 6and 534a d6dn  
 an75 7un6 a3nd u64t 47td da75 64a3 3t4d du4a 67ua  
 iii =  
 dudn dtd6 an6d 53aa 4u7a a7d4 da3t 5a46 334t d45t  
 54at 754d t3nn 676t 433n 7ta3 57u4 4t4t 4675 37na  
 36ud 6u7t td45 d4u6 an33 5ntt d673 574u t376 5n3u  
 365d ta7u 565a a66u ut6n 3a56 75d5 u5u4 u6u5 d763  
 tu53 n3t7 d6d3 4nun 63nn 5aun t347 66nt 7u45 anut  
 dun5 7du6 a7ad au7a 6uu4 a3nt d3td utn4 t5t7 7ud6

d7n3 a3d6 4ndt 43an d7na 5a7n n47u u7ta 3a3t a544  
u45d n665 dua6 n634 nan3 5d54 64dn utun 7447 64u7  
nudt a53u 5a57 5d3t nt4d 6atn 6d67 u6au 73ua n3td  
u6u7 5n65 45n7 5753 5ta4 4t7n 5aat udn4 at3n 73t4  
iii =  
7t4d dt6d nnt7 n7t6 663t tt7d d64n 6u7t dn73 nu35  
46dn 46u4 adt6 6tn4 ntn7 3674 465t nn64 337u 7a6d  
5adu tn4 ? tn3d t573 un43 66da 4736 n76n 33nt 4t4u 3n5 ? 3n45  
6a7t nn7d 364t u7t5 5n7d 3adt nu4t 57u4 67nu da5t  
4t6d nau5 7a45 t3a7 54u7 a74a du44 at74 35nd 35n6  
3734 7na4 d63u u3n5 a5da u3d5 5a34 d375 5a4u 3dna  
dat3 4au5 uau5 65a3 4uda 67ud aua3 4d7u 65t3 474u  
5n46 5nn7 aut6 udt7 t37n 357n nt6u t74u uan7 65dn  
635a 6u6d t3at n56u n6a5 375d u7at 36t4 35ta d5a4  
34ua t7a5 ud6u 4a35 n6a7 u56d ta6t d563 4au5 n3un  
iii =  
ud43 57ad d565 65n7 t63d 5td4 an37 t4n6 nud7 an4d  
63n5 uad4 764d t5u7 6tn4 t4an 45nd u637 34du 4n34  
ut6d ut63 46nt 5375 n7d6 6aun 76an 643n 3t6d a54a  
d4ut d765 n7t4 64t5 a3d6 n735 t5u7 3u5d 3nt3 tudt  
ta63 a7d4 d74a t4d4 5374 43ad n65a 76ua 65da 73at  
t3n7 dan6 54tn u3ut 53nu unnt u574 t4a7 utn6 7nn3  
nau7 6t4d 5uad u4u6 3nut a3d7 353n 6565 dt4d d437  
a4nt u65t ud56 34da 745u daua 7n45 t7nu  
ar ar  
hr nr t2 qsl 1t15 qsl 1t15 qsl 1t15  
v rxp7 rxp7 rxp7 de czt2 czt2 (continuous)

The next ones are probably also Chinese stations.

9185 kHz, 1104 UTC, 20 June.

vvv 8vcc  
id id nr1987/ex 1904 = fnnz/j ar  
id id nr1987/ex 1904 = fnnz/j ar  
qsy nr2 qsy nr2 vv

at 1503 UTC:

id id nr 1993/ex 2304 = hmt/7q ar  
id id nr 1993/ex 2304 = hmt/7q ar  
qsy nr2 qsy nr2 vv

7888 kHz, 1241 UTC, 17 June.

... 9517 to 9515 = = pqqa2/z ar k

id id nr 2658/ex time 2040 rmks 9517 to 9515 = = pqqa2/z ar k

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::: POLISH MILITARY

The next intercepts come from Maciej.

Frequency Callsign

```
-----
2415      JLH, JCZ-JC
2422      Kamerata 14 (control station), Kamerata 121,
          Kamerata 133, Kamrata 66, Rowena 57
4501.6    Lazur, Koral, Brylant, Koszmar
4984      NOZ, NPW
5126      YKO, GUSTAW 98, MAREK-PAWEL 8
7872      ATV036 (4th NBC Regiment, Kuwait) wkg LCR155
8172      LCR154 (Polish Mil HQ Comms Sta. prob in Janki), SPF219
20133.7   ATV036 (4th NBC Regiment, Kuwait) wkg LCR155
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::: RUSSIAN / CIS MILITARY

Freq. QSX Callsign

```
-----
3261      5KDN, C5B, T7BF, FDCZ, G5PT
9913      1MVC, VSL2, IWSP.
10987  9989 A3FP, 1NLQ, XBAR, DBWK, KOX9, XWT8, KHTZ, M2Q9, MCNL,
          Q70G, E1ZS, CKLH, Y6KY, IGPU, S1QE

14923.275 "DRAT 73 73 E E DRAT DRAT QSU2 QSA2 QSA2 TAK 73 73 E E"
          Only up one morning a week and then for about 10-15
          seconds or less.
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::: UNID

The following unid station (probably military) was logged by Igor.

7896 kHz, 1424 UTC, 17 June. 5FGs, cut numbers (see below).

1 2 3 4 5 6 7 8 9 0  
A U 3 4 5 6 7 D N T

The last two characters of the second group indicate the time (minutes).

.....65ana a66u4 = 64uta uu5u4 = 63utd u6du4 = 63utd u6du4 =  
6dun7 a5au4 = 66auu atuu4 = 65an3 a76u5 = 66a45 tnnu6 = 65utt utnu7 =  
64ut7 u65u7 = 63ua3 3tnu7 = 6d3a5 a3nu7 = 66a53 at3ud = 65utu uadud =  
64utd u77ud = 63ua4 3uad = 6d3ua a3dud = = 65ut3 uudun = 64utn uddun =  
unt63 = 6d3u7 a37un = unda5 35da5 5un  
qsl ? qsl ?  
r r

-0-0-0-0-0-0-0-0-0-0-

#### \* INTELLIGENCE NEWS \*

::: SWEDEN

The Swedes have found the wreckage of a Swedish spy plane which vanished over the Baltic Sea more than 50 years ago. For decades, Sweden maintained that the DC-3 plane and its eight-man crew had been intercepted by the Soviets during a training flight on 13 June 1952, while Moscow insisted that it had nothing to do with the plane. Only in the late 1980s, the former USSR confirmed that the plane - which Sweden finally admitted was on a spying mission - was shot down by a Soviet fighter. (source: BBC News)

-0-0-0-0-0-0-0-0-0-0-

#### \* INTELLIGENCE PROFILE: ZIMBABWE \*

Background:

The UK annexed Southern Rhodesia from the South Africa Company in 1923. A 1961 constitution was formulated that favored whites in power. In 1965 the government unilaterally declared its independence, but the UK did not recognize the act and demanded more complete voting rights for the black African majority in the country (then called Rhodesia). UN sanctions and a guerrilla uprising finally led to free elections in 1979 and independence (as Zimbabwe) in 1980. Robert MUGABE, the nation's first prime minister, has been the country's only ruler (as president since 1987) and has dominated the country's political system since independence.

General:

Country name: Republic of Zimbabwe (Zimbabwe)

Capital : Harare

Administrative divisions: Zimbabwe has 8 provinces with provincial status; Manicaland, Mashonaland Central, Mashonaland East, Mashonaland West, Masvingo, Matabeleland North, Matabeleland South, Midlands; and 2 cities; Bulawayo,

Harare

Military branches:

Zimbabwe National Army, Air Force of Zimbabwe, Zimbabwe Republic  
Police (includes Police Support Unit, Paramilitary Police)

Intelligence:

Police Internal Security and Intelligence (PISI)  
Zimbabwe Republic Police (ZRP)  
Central Intelligence Organisation  
Zimbabwe National Army (ZNA) Intelligence Unit

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NATIONAL CONSTITUTIONAL ASSEMBLY  
-CONSTITUTION FOR ZIMBABWE 2001-

Paragraph 160. Functions of Security Services Commission.

- (1) The Security Services Commission will exercise its functions in relation to;
  - (a) The Defence Force
  - (b) The Police Force
  - (c) The Prison Service
  - (d) The Intelligence Service
- (2) An Act of Parliament must provide for the functions of the Security Services Commission and the appointment and removal from office of the heads of the Defence Force, the Police Force, the Prison Service and the Intelligence Services provided that the following functions and principles must be enshrined;
  - (a) to recommend to the National Assembly persons to be appointed to head the various components of the Security Services;
  - (b) to advise the Government on the remuneration and other benefits and conditions of service of persons employed in the Security Services;
  - (c) to exercise disciplinary control over persons employed in the Security Services
  - (d) to ensure that Security Services are impartial and operate in compliance with the law and that under no circumstances Security Services or any of their members perform their duty to the prejudice of any political party;
  - (e) to make recommendations to the National Assembly to ensure that military spending is not excessive.



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I have tried to find information about the security and intelligence services of Zimbabwe but couldn't find detailed info, only bits and pieces in newspapers and reports of various organisations.

The security/intelligence organisations who's name popped up frequently are the Zimbabwe Republic Police (ZRP), the Central Intelligence Organisation (CIO), Police Internal Security and Intelligence (PISI) and the Intelligence Unit of the Zimbabwe National Army (ZNA).

The State Security Minister is in charge of the CIO, which is the most important intelligence agency in Zimbabwe. This organisation was founded by Ken Flower in the 1960's when Zimbabwe was still Rhodesia. It was the civilian counterpart of the military Rhodesian Intelligence Corps. Today the CIO works closely with the police. The police takes care of things when the matter is purely criminal and when politics are involved, CIO will take care of it. Over the last couple of years, the CIO has been widening its scope of operations. The agency now works actively with the ZANU-PF youth organisation which is part of the State-funded training programme of the Ministry of Youth Affairs. They are trained in a network of "youth camps" across the country and in a short time have become a paramilitary extension of the CIO.

Beside the CIO, the police Security Branch and the small military intelligence unit are the other intelligence players these days.

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For want of something better, I included a number of quotes about -mainly- the CIO and other organisations that I found on the web.

"Kitty Little insists that Ken Flower, the head of the Rhodesian Central Intelligence Organisation was, or had been, a member of Britain's intelligence section, MI6. She also says that it is now known that MI6 was working to destabilise Rhodesia in order to force the dictatorship swap that Lancaster House was really designed to produce.

According to Dr. Kitty Little's impeccable sources, Ken Flower might qualify for the Guinness Book of Records as the doublest of double agents! While head of Rhodesian Intelligence he was also working for MI6, the KGB, East European Intelligence, the CIA, and a number of African Intelligence networks. He worked with the "D" group of MI6 operatives who, to quote Dr. Little, "did nasty things and had them blamed on Ian Smith".

(source: Zimbabwe News <http://www.zimbabwesituation.com>)

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"In the mid 1970's, in the most closely guarded secret operation of the entire Rhodesian war, the CIO embarked on a programme of chemical and biological warfare. Doctors and chemists from the University of Rhodesia were recruited by the CIO and asked to identify and test a range of chemical and biological agents which could be used in the war against the nationalist guerrillas. By 1975 clinical trials were performed on human guinea pigs at a remote Selous Scout camp at Mount Darwin in northeastern Rhodesia. The CIO provided victims from their detention centres, choosing little-known detainees who had been arrested on various security charges. In the secrecy of the camp, the doctors administered various chemical and biological agents to the prisoners, experimenting with delivery systems and dose levels. The local CIO Special Branch disposed of the bodies in local mine shafts."

"In the late 1970's South Africa helped the CIO -Central Intelligence Organisation- to build a network of informants throughout Rhodesia and trained the 'Selous Scouts', the most vicious of the Rhodie special forces groups."

(source: Ocnus.net <http://www.ocnus.net>)

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"Gambo, however, is not your garden variety political operative. He has another job as well. He is the district commander of the Central Intelligence Organisation, Zimbabwe's secret police. And if you want to get any handle on the systematic nature of political violence in Robert Mugabe's Zimbabwe, you need go no further than the guys in the CIO, an outfit that makes the old East German Stasi look like a bunch of funsters."

(source: The Independent, Zimbabwe)

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"In March 2000, the Parliament approved the Posts and Telecommunications Bill, establishing a new regulatory board with powers over postal, telephone, radio, television, cellular, and Internet services. The bill grants the government power to monitor communications when "necessary in the interests of national security or the maintenance of law and order." People caught distributing information that violates "state security"

face up to two years imprisonment, a fine of 200,000 Zimbabwean dollars (US\$5260), or both."

(source: Zimbabwe 2000 country report. <http://www.cpj.org>)

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"Against the background of the seriously deteriorating human-rights situation in Zimbabwe, there is increasing evidence of the involvement of formal State agencies such as the Zimbabwe Republic Police (ZRP), the Central Intelligence Organisation (CIO), Police Internal Security and Intelligence (PISI), the Riot Squad, the Support Unit and the Zimbabwe National Army (ZNA) in the perpetration of gross human-rights violations."

"Regular reports of Central Intelligence Organisation (CIO) agents taking a direct hand in the violence reinforced the perception that the campaign was being led by the highest authorities in government. CIO members made themselves known to a number of victims and were accused of acts of torture, threats and participation in attacks upon MDC members. Members of the CIO were also observed organising the militias and transporting them from one place to another. There were also reports of Police Internal Security and Intelligence (PISI) involvement."

(source: Zimbabwe Watch)

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#### Sources:

Zimbabwe Watch	<a href="http://www.zimbabwewatch.org">http://www.zimbabwewatch.org</a>
Crisis Web	<a href="http://www.crisisweb.org">http://www.crisisweb.org</a>
The Independent	<a href="http://www.theindependent.co.zw">http://www.theindependent.co.zw</a>
CJP	<a href="http://www.cpj.org">http://www.cpj.org</a>
ZANU-PF	<a href="http://www.zanupfpub.co.zw">http://www.zanupfpub.co.zw</a>
Ocnus.net	<a href="http://www.ocnus.net">http://www.ocnus.net</a>
The Zimbabwe Situation	<a href="http://www.zimbabwesituation.com">http://www.zimbabwesituation.com</a>
CIA World Factbook	

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#### \* LOGS SECTION \*

3025.0 M08a ID 37921 47010 31632 (Very weak signal, not 100% sure of callups) CW 10-06-03 Tue 1000 (MS)  
3025.0 M08a (two different skeds brdcst at same time - uncopiable)

CW 21-06-03 Sat 1000 (MS)  
 3025.0 M08a ID 35562 23791 20373 CW 28-06-03 Sat 1000 (MS)  
 3151 E10 EZI 2 AM 10-06-03 2000 (JAQ)  
 3151 E10 PCD 1 87 GXBHQ AM 10-06-03 2200 (JAQ)  
 3151 E10 PCD 2 AM 11-06-03 2000 (JAQ)  
 3151 E10 PCD 2 AM 11-06-03 2030 (JAQ)  
 3244.0 M08a (two different skeds brdcst at same time - uncopiable)  
 CW 21-06-03 Sat 1000 (MS)  
 3244.0 M08a ID 97552 ----- (too weak, uncopiable) CW  
 28-06-03 Sat 1000 (MS)  
 3292.0 V02a A 99312 70642 05292 AM 21-06-03 Sat 0400 (BM)  
 3335.7 MX Channel marker "L" + a chirpy message CW 05-06-03 Thu  
 2038 (AB)  
 3415 E10 ART AM 11-06-03 2030 (JAQ)  
 3756 S30 Pip CW 05-06-03 Thu 2043 (AB)  
 3828.9 XSW Squeaky Wheel channel marker 05-06-03 Thu 2042 (AB)  
 3926.0 M08a ID 97401 91882 48211 CW 15-06-03 Sun 1000 (MS)  
 4028.0 V02a In prog. AM 20-06-03 Fri 0505 (BM)  
 4034.5 V02a (missed callups - YL/SS) USB 21-06-03 Sat 1000 (MS)  
 4165.0 E10 CI02//5230, 7811 USB 17-06-03 Tue 0045 (BS4)  
 4270.0 E10 PCD USB 04-06-03 Wed 0030 (BS4)  
 4360.0 E10 KPA2//7605 USB 18-06-03 Wed 0115 (BS4)  
 4461.0 E10 FTJ 29 MQJVQ USB 04-06-03 Wed 0100 (BS4)  
 4461.0 E10 FTJ USB 04-06-03 Wed 0300 (BS4)  
 4461.0 E10 FTJ USB 13-06-03 Fri 0100 (BS4)  
 4461.0 E10 FTJ 15 RDNAY USB 17-06-03 Tue 0100 (BS4)  
 4461.0 E10 FTJ 15 RDNAY USB 18-06-03 Wed 0100 (BS4)  
 4461.0 E10 FTJ 15 RDNAY USB 19-06-03 Thu 0100 (BS4)  
 4478.0 M08a (too weak, uncopiable) CW 28-06-03 Sat 1100 (MS)  
 4479.0 V02a A 48001 95712 19272 AM 20-06-03 Fri 0400 (BM)  
 4625 S28 Buzzer 05-06-03 Thu 2043 (AB)  
 4648 E10 SYN 2 AM 10-06-03 1945 (JAQ)  
 4648 E10 CIO 2 AM 10-06-03 2130 (JAQ)  
 4648 E10 SYN 2 AM 13-06-03 1845 (JAQ)  
 4650 E10 SYN 2 AM 13-06-03 1845 (JAQ)  
 4780.0 E10 MIW2//6930, 7445 USB 18-06-03 Wed 0115 (BS4)  
 4880.0 E10 ULX 24 CDS?? USB 04-06-03 Wed 0030 (BS4)  
 4880.0 E10 ULX in tfc USB 04-06-03 Wed 0230 (BS4)  
 4880.0 E10 ULX USB 05-06-03 Thu 0200 (BS4)  
 4880.0 E10 ULX 41 ????? USB 18-06-03 Wed 0030 (BS4)  
 4973 S21 973, //5373 AM 03-06-03 Tue 1742 (HFD)  
 4973 S21 973 830 38 32621 etc AM 19-06-03 1742 (RiN)  
 5018 M13B 933/0 CW 14-06-03 Sat 2100 (HFD)  
 5018 M13B 933/0 CW 15-06-03 Sun 2100 (HFD)  
 5091 E10 in progress AM 09-06-03 2145 (MSM)  
 5092 E10 SYN 2 AM 10-06-03 1945 (JAQ)  
 5092 E10 AM 13-06-03 1845 (JAQ)  
 5130 E06 in progress. Ends with 000000 AM 11-06-03 2004 (MSM)

5155 E06 in progress. Ends with 00000 AM 11-06-03 2024 (MSM)  
5170 E10 VLB 2 AM 09-06-03 2147 (MSM)  
5170.0 E10 VLB2//6370 USB 17-06-03 Tue 0045 (BS4)  
5172 M13C 134 CW 04-06-03 Wed 2100 (HFD)  
5172 M13C 134 CW 18-06-03 Wed 2100 (HFD)  
5173 M13 in progress CW 05-06-03 Thu 2106 (AB)  
5220.7 M21 99t612??????? CW 09-06-03 0405 (AR)  
5230 E10 CIO 2 AM 10-06-03 1945 (JAQ)  
5230 E10 CIO 2 AM 10-06-03 2130 (JAQ)  
5230 E10 CIO 2 AM 13-06-03 1845 (JAQ)  
5230 E10 CIO 2 AM 13-06-03 2045 (JAQ)  
5230.0 E10 CIO2//4165, 7811 USB 17-06-03 Tue 0045 (BS4)  
5286 M13 427 ?08 CW 01-06-03 2110 (JP)  
5286 M13 427 728 2? CW 02-06-03 2110 (JP)  
5336 E10 ART 1 21 PAMTR AM 13-06-03 1930 (JAQ)  
5340.0 E10 KPA 2 AM 24-06-03 Tue 0020 (LC2)  
5358 S11A 971/00 AM 04-06-03 Wed 2100 (HFD)  
5373 S21 973, //4973 AM 03-06-03 Tue 1742 (HFD)  
5373 S21 973 830 38 32621 etc AM 19-06-03 1742 (RiN)  
5430 E10 ART 2 AM 13-06-03 1900 (JAQ)  
5430 E10 ART 1 41 etc AM 13-06-03 2030 (JAQ)  
5430.0 E10 ART2 AM 18-06-03 Wed 0130 (DM)  
5430.0 MX STRONG SIGNAL CW 05-06-03 Thu 2215 (EB1AQM)  
5430.0 MX STRONG SIGNAL CW 06-06-03 Fri 0505 (EB1AQM)  
5435.0 E10 ART in tfc USB 04-06-03 Wed 0005 (BS4)  
5435.0 E10 ART2 USB 05-06-03 Thu 0130 (BS4)  
5435.0 E10 ART and ULX mixed AM/USB USB 05-06-03 Thu 0200 (BS4)  
5435.0 E10 ART2 USB 12-06-03 Thu 0130 (BS4)  
5435.0 E10 YHF starts calling, stops, ART2 starts, contiunes  
until end USB 13-06-03 Fri 0130 (BS4)  
5436 E10 ART 1 110 XFAKQ AM 10-06-03 2000 (JAQ)  
5436 E10 ART 1 59 ORNVH AM 10-06-03 2200 (JAQ)  
5436 E10 ART 1 41 SCZCQ AM 11-06-03 2030 (JAQ)  
5762.0 V02a A 19273 65643 08641 AM 21-06-03 Sat 0400 (BM)  
5820.0 E10 YHF2//7918, 9202 USB 05-06-03 Thu 0200 (BS4)  
5820.0 E10 YHF2 USB 29-06-03 Sun 2100 (GG)  
5860.0 M10 555x3 186x3 20 826x3 32 (R5) CW 08-06-03 Sun 0400 (MS)  
5860.0 M10 555x3 612x3 41 616x3 33 (R5) CW 09-06-03 Mon 0400 (MS)  
5860.0 M10 555x3 612x3 41 616x3 33 (R5) CW 14-06-03 Sat 0400 (MS)  
5860.0 M10 (too weak to copy) CW 21-06-03 Sat 0400 (MS)  
5860.0 M10 555x3 417x3 31 013x3 50 (R5) (vy weak signal, copy not  
100% reliab CW 29-06-03 Sun 0400 (MS)  
5918 M13 id 411 CW 08-06-03 2030 (JP)  
5918 M13 411 CW 22-06-03 Sun 2030 (HFD)  
6229.0 XM whales on the air with good weak // 6245 // 6255 USB  
24-06-03 Tue 0020 (LC2)  
6270 E10 AM 11-06-03 2030 (JAQ)  
6270.0 E10 ULX 63 UTFDP//7760 USB 04-06-03 Wed 0100 (BS4)

6270.0 E10 ULX 45 OTXIA//7760 USB 13-06-03 Fri 0100 (BS4)  
6270.0 E10 ULX 45 OTXIA//7760 USB 17-06-03 Tue 0100 (BS4)  
6370.0 E10 VLB2//5170 USB 17-06-03 Tue 0045 (BS4)  
6379 M22 4XZ. Israeli navy Haifa. 5LGs CW 2055 (PP1)  
6498.0 E10 PCD 143 MOHL? USB 17-06-03 Tue 0030 (BS4)  
6498.0 E10 PCD2 USB 18-06-03 Wed 0030 (BS4)  
6758 S17C 51029 AM 09-06-03 Mon 1250 (HFD)  
6758 S17C 99034 AM 13-06-03 Fri 1250 (HFD)  
6758 S17C 95031 AM 14-06-03 Sat 1250 (HFD)  
6758 S17C 75042 AM 15-06-03 Sun 1250 (HFD)  
6758 S17c 67032 USB 16-06-03 1250 (AF)  
6758 S17c 92044 USB 17-06-03 1250 (AF)  
6758 S17C 94042 (95042?) AM 19-06-03 Thu 1250 (HFD)  
6758 S17C 55038 AM 21-06-03 Sat 1250 (HFD)  
6758 S17C 65043 AM 22-06-03 Sun 1250 (HFD)  
6780 M01 025 CW 15-06-03 Sun 0700 (HFD)  
6780 M10 555 738 37 776 22 CW 06-06-03 0410 (PB)  
6780 M10 555 738 37 776 22 CW 08-06-03 0410 (PB)  
6780 M10 555 738 37 776 22 CW 09-06-03 0410 (PB)  
6780 M10 555 738 37 776 22 CW 10-06-03 0410 (PB)  
6780 M10 555 738 37 776 22 CW 11-06-03 0410 (PB)  
6780 M10 555 738 37 776 22 CW 12-06-03 0410 (PB)  
6780 M10 555 738 37 776 22 CW 12-06-03 0410 (PB)  
6780 M10 555 714 39 745 56 CW 13-06-03 0410 (PB)  
6780 M10 555 714 39 745 56 CW 16-06-03 0410 (PB)  
6780 M10 555 714 39 745 56 CW 17-06-03 0410 (PB)  
6780 M10 555 480 28 835 40 CW 20-06-03 0410 (PB)  
6780.0 M10 555x3 738x3 37 776x3 22 (R5) (rpt of 0210z sked on  
7380m) CW 08-06-03 Sun 0410 (MS)  
6780.0 M10 555x3 714x3 39 745x3 56 (R5) (Rpt of 0210z on 7380m)  
CW 14-06-03 Sat 0410 (MS)  
6780.0 M10 555x3 480x3 28 835x3 40 (R5) (very weak. rpt of 0210z  
on 7380m) CW 21-06-03 Sat 0410 (MS)  
6835 M13 254 CW 04-06-03 Wed 2100 (HFD)  
6835 M13 254 CW 18-06-03 Wed 2100 (HFD)  
6835 M13 254 CW 19-06-03 Thu 2100 (HFD)  
6837 M13 in progress CW 05-06-03 Thu 2109 (AB)  
6840.0 E10 EZI2//11565 USB 04-06-03 Wed 0100 (BS4)  
6840.0 E10 EZI 80 LLEXK, 51 VUFYA//9130 AM 05-06-03 Thu 0130  
6840.0 E10 EZI 12 CDITS//9130, 11565 USB 05-06-03 Thu 2330 (BS4)  
6840.0 E10 EZI 88 AWFVT/9130 AM 08-06-03 Sun 2030 (JS3)  
6840.0 E10 EZI 73 MQUFZ/9130, 11565 AM 09-06-03 Mon 1900 (JS3)  
6840.0 E10 EZI 11 OFBQK//9130 AM 12-06-03 Thu 0130 (BS4)  
6840.0 E10 EZI2//9130, 11565 USB 13-06-03 Fri 0100 (BS4)  
6840.0 E10 EZI 11 OFBQK//9130 USB 13-06-03 Fri 0130 (BS4)  
6840.0 E10 USB 16-06-03 Mon 2330 (DM)  
6840.0 E10 EZI2//9130 USB 17-06-03 Tue 0100 (BS4)  
6840.0 E10 EZI 26 ZNTSP/9130 AM 20-06-03 Fri 2030 (JS3)

6840.0 E10 EZI 86 ZVTLB USB 28-06-03 Sat 2330 (GG)  
6840.0 E10 EZI o5820 YHF2??? ?Hqw? USB 29-06-03 Sun 2030 (GG)  
6840.0 E10 EZI 2 msgs : 96 XZGZT /18 CDJUS USB 29-06-03 Sun 2200 (GG)  
6840.0 E10 EZI 2 msgs: 96 XZGZT/18 CDJUS USB 29-06-03 Sun 2200 (GG)  
6887 G06 842-357/ 35=14782 AM 12-06-03 Thu 1830 (HFD)  
6912.0 E10 SYN2 AM 09-06-03 Mon 1845 (JS3)  
6912.0 E10 SYN2 AM 09-06-03 Mon 1945 (JS3)  
6912.0 E10 SYN2//8025 USB 17-06-03 Tue 0045 (BS4)  
6912.0 E10 SYN2 USB 17-06-03 Tue 0150 (DM)  
6930 E10 MIW 2 AM 11-06-03 2015 (JAQ)  
6930 E10 MIW 2 AM 13-06-03 1915 (JAQ)  
6930 E10 MIW 2 AM 13-06-03 2015 (JAQ)  
6930.0 E10 MIW2//4780, 7445 USB 18-06-03 Wed 0115 (BS4)  
6932 M13 id 757 CW 06-06-03 2145 (JP)  
6959.0 E03 Quite clear. Halfway through message. 1st time I have heard this. AM 20-06-03 Fri 2240 (JB4)  
6959.0 E03 90821 USB 29-06-03 Sun 2100 (GG)  
7190.8 M21 PV0 =99 strings CW 21-06-03 Sat 2222 (AB)  
7317 G22 186 - nr239 gr23 = 36270 AM 06-06-03 2200 (GN)  
7317 G22 (1/3) 186 Nr. 239 distorted signal AM 19-06-03 Thu  
7380.0 M10 555x3 738x3 37 776x3 22 (R5) CW 08-06-03 Sun 0210 (MS)  
7380.0 M10 555x3 714x3 39 745x3 56 (R5) CW 14-06-03 Sat 0210 (MS)  
7380.0 M10 555x3 480x3 28 835x3 40 (R5) CW 21-06-03 Sat 0210 (MS)  
7445.0 E10 MIW2//4780, 6930 USB 18-06-03 Wed 0115 (BS4)  
7605 E10 KPA 1SDJN AM 17-06-03 1820 (RiN)  
7605.0 E10 KPA2//4360 USB 18-06-03 Wed 0115 (BS4)  
7608 S06 176 dk 950 gr 84 AM 17-06-03 1900 (RiN)  
7608.0 S06 Long message! AM 24-06-03 Tue 1900 (HA)  
7630 M23 555 CW 30-06-03 0400 (IB)  
7760.0 E10 ULX 63 UTFDP//6270 USB 04-06-03 Wed 0100 (BS4)  
7760.0 E10 ULX 45 OTXIA//6270 USB 13-06-03 Fri 0100 (BS4)  
7760.0 E10 ULX 45 OTXIA//6270 USB 17-06-03 Tue 0100 (BS4)  
7760.0 E10 ULX 45 OTXIA USB 18-06-03 Wed 0100 (BS4)  
7760.0 E10 ULX 45 OTXIA USB 19-06-03 Thu 0100 (BS4)  
7760.0 E10 Phonetic Alphabet USB 22-06-03 Sun 0100 (TC)  
7811.0 E10 CI02//4165, 5230 USB 17-06-03 Tue 0045 (BS4)  
7918.0 E10 YHF2 USB 05-06-03 Thu 0130 (BS4)  
7918.0 E10 YHF2//5820, 9202 AM 05-06-03 Thu 0200 (BS4)  
7918.0 E10 YHF 9 VDBTD USB 12-06-03 Thu 0130 (BS4)  
7918.0 E10 YHF 9 VDBTD USB 13-06-03 Fri 0130 (BS4)  
7975.0 M08a ID 96521 06043 80233 (rpt of 0700z on 9060m) CW 01-06-03 Sun 0800 (MS)  
7995 V02 in progress AM 22-06-03 0727 (TAZ)  
8010.0 M08a ID 48132 44401 15931 CW 22-06-03 Sun 0800 (MS)  
8025.0 E10 SYN2//6912 USB 17-06-03 Tue 0045 (BS4)  
8136.0 M08a (in progress, missed callups) CW 01-06-03 Sun 1000

8136.0 M08a (CXR up until 1003z and then BT and into msgs-no  
 callups were give CW 08-06-03 Sun 1000 (MS)  
 8136.0 M08a ID 45122 58891 73673 CW 14-06-03 Sat 1100 (MS)  
 8136.0 M08a ID 92923 15731 49241 (Carrier until 1005z, then began  
 xmit of call CW 15-06-03 Sun 1000 (MS)  
 8175 M13 id 417 CW 08-06-03 1900 (JP)  
 8175 M13 417 CW 09-06-03 Mon 2900 (HFD)  
 8251 E07 246/0 AM 11-06-03 Wed 0510 (HFD)  
 9060.0 M08a ID 96521 06043 80233 CW 01-06-03 Sun 0700 (MS)  
 9062.0 M08a ID 33041 94822 03102 CW 08-06-03 Sun 0500 (MS)  
 9062.0 M08a ID 46751 00652 37252 (rpt of 0400z on 10235m) CW  
 29-06-03 Sun 0500 (MS)  
 9113.0 M08a in prog. CW 24-06-03 Tue 0714 (BM)  
 9130 E10 EZI 2 AM 10-06-03 2200 (JAQ)  
 9130 E10 EZI 2 96 GXJGJ 56 NMZUG AM 13-06-03 1900 (JAQ)  
 9130.0 E10 EZI USB 01-06-03 Sun 2130 (BS4)  
 9130.0 E10 EZI2 USB 04-06-03 Wed 0300 (BS4)  
 9130.0 E10 EZI 80 LLEXK, 51 VUFYA//6840 AM 05-06-03 Thu 0130  
 9130.0 E10 EZI2//11565 USB 05-06-03 Thu 0200 (BS4)  
 9130.0 E10 EZI 12 CDITS//6840, 11565 USB 05-06-03 Thu 2330 (BS4)  
 9130.0 E10 EZI 88 AWFVT/6840 AM 08-06-03 Sun 2030 (JS3)  
 9130.0 E10 EZI 73 MQUFZ/6840, 11565 AM 09-06-03 Mon 1900 (JS3)  
 9130.0 E10 EZI 11 OFBQK//6840 USB 12-06-03 Thu 0130 (BS4)  
 9130.0 E10 EZI2//6840, 11565 USB 13-06-03 Fri 0100 (BS4)  
 9130.0 E10 EZI 11 OFBQK//6840 USB 13-06-03 Fri 0130 (BS4)  
 9130.0 E10 EZI 68 UALNO USB 16-06-03 Mon 2230 (BS4)  
 9130.0 E10 EZI2//6840 USB 17-06-03 Tue 0100 (BS4)  
 9130.0 E10 EZI AM 17-06-03 Tue 0200 (DM)  
 9130.0 E10 AM 18-06-03 Wed 0130 (DM)  
 9130.0 E10 EZI2 USB 19-06-03 Thu 0100 (BS4)  
 9130.0 E10 EZI 26 ZNTSP/6840 AM 20-06-03 Fri 2030 (JS3)  
 9130.0 E10 EZI USB 21-06-03 Sat 0230 (DM)  
 9131 E10 EZI 2 AM 13-06-03 2000 (JAQ)  
 9150.0 M08a ID 45122 58891 73673 (Rpt of 1100z on 8136m) CW  
 14-06-03 Sat 1200 (MS)  
 9153.0 M08a ID 12891 73231 21302 CW 09-06-03 Mon 1000 (MS)  
 9153.0 M08a ID 44371 64563 93072 CW 22-06-03 Sun 1000 (MS)  
 9165.0 M10 555x3 (Fades out completely and is unreadable - signal  
 barely hear CW 10-06-03 Tue 0450 (MS)  
 9165.0 M10 555x3 831x3 38 191x3 30 (R5) CW 16-06-03 Mon 0450 (MS)  
 9165.0 M10 555x3 704x3 26 248x3 39 (R5) CW 22-06-03 Sun 0450 (MS)  
 9165.0 M10 555x3 132x3 25 208x3 35 (R5) (very weak signal, copy  
 not reliable) CW 30-06-03 Mon 0450 (MS)  
 9202.0 E10 YHF2//5820, 7918 USB 05-06-03 Thu 0200 (BS4)  
 9238.0 M08a (in progress) ID ----- 83371 77162 (rpt of 1000z on  
 8136m) CW 01-06-03 Sun 1100 (MS)  
 9238.0 M08a ID 07863 21301 03103 (rpt of 1000z sked on 8136m -  
 this time with CW 08-06-03 Sun 1100 (MS)



9238.0 M08a ID 98532 41913 03783 CW 09-06-03 Mon 0900 (MS)  
 9238.0 M08a (Carrier until 1103z and then xmit of morse characters  
 all garbled CW 15-06-03 Sun 1100 (MS)  
 9238.0 M08a ID 54481 56702 49852 (rpt of 0800z on 10446m) CW  
 22-06-03 Sun 0900 (MS)  
 9238.0 M08a ID 08383 93071 64562 CW 22-06-03 Sun 1100 (MS)  
 9250.0 in progress, major QRM beginning 1007zulu, SS 3-5 on  
 SAT800 AM 29-06-03 Sun 1004 (JEN)  
 9251.0 E03 90821 USB 29-06-03 Sun 2100 (GG)  
 9275 M13 183 CW 27-06-03 Fri 1500 (HFD)  
 9323.0 M08a ID 18093 17001 93441 (rpt of 0800z on 10236m) CW  
 01-06-03 Sun 0900 (MS)  
 9323.0 M08a ID 98531 41912 03782 (rpt of 0800z sked 10236m - this  
 time with th CW 08-06-03 Sun 0900 (MS)  
 9323.0 M08a (Carrier on until 1003z and then turned off. Sked not  
 broadcast) CW 10-06-03 Tue 1000 (MS)  
 9323.0 M08a ID 08381 14663 63712 CW 19-06-03 Thu 1000 (MS)  
 9323.0 M08a (late start - missed callups) CW 21-06-03 Sat 1000  
 9323.0 M08a (already in progress - missed callups) CW 28-06-03 Sat  
 1000 (MS)  
 9330.0 M08a (in progress - missed callups) CW 09-06-03 Mon 0400  
 9330.0 M08a ID 36391 02522 89712 CW 09-06-03 Mon 1200 (MS)  
 9355 V02 in progress. Lots of QRM AM 22-06-03 0805 (TAZ)  
 9825 M13 272 CW 03-06-03 Tue 2100 (HFD)  
 10125.0 M08a ID 51403 66892 60103 CW 28-06-03 Sat 0300 (MS)  
 10126.0 M08a (Carrier on until 1116z, then abruptly turned off.  
 Sked was never CW 09-06-03 Mon 1100 (MS)  
 10126.0 M08a ID 98533 97041 28711 CW 10-06-03 Tue 0900 (MS)  
 10126.0 M08a ID 19803 50811 51861 CW 19-06-03 Thu 0900 (MS)  
 10126.0 M08a ID 44371 64563 93072 (rpt of 1000z on 9153m) CW  
 22-06-03 Sun 1100 (MS)  
 10235.0 M08a In prog. CW 20-06-03 Fri 0401 (BM)  
 10235.0 M08a ID 46751 00652 37252 CW 29-06-03 Sun 0400 (MS)  
 10236 M24 239 239 239 901 901 67 67 CW 19-06-03 0800 (CR)  
 10236.0 M08a (in progress) ID ----- 17001 93441 CW 01-06-03 Sun  
 0800 (MS)  
 10236.0 M08a (CXR up until 0803z and then BT and into msgs-no  
 callups were give CW 08-06-03 Sun 0800 (MS)  
 10248 M16 8BY. DGSE. vvv vvv vvv 8by 8by 8by 216/673/788/686/762  
 CW 03-06-03 1557 (WP3)  
 10310 G06 308 645 139 51663 (139 groups) AM 02-06-03 2000 (AF)  
 10310 G06 308-645/139=51663 AM 03-06-03 Tue 2000 (HFD)  
 10342.0 M08a ID 53121 46923 62103 (off freq by 4k - usual freq is  
 10346m) CW 28-06-03 Sat 1100 (MS)  
 10346.0 M08a ID 97392 24631 24041 CW 10-06-03 Tue 1100 (MS)  
 10346.0 M08a ID 08381 14663 63712 (rpt of 1000z on 9323m) (station  
 having xmtr CW 19-06-03 Thu 1100 (MS)  
 10426.0 E03 // 11545 USB 16-06-03 Mon 2200 (DM)

10427	M13	261 269 22 CW 02-06-03 1900 (JP)
10427	M13	261 CW 02-06-03 Mon 1900 (HFD)
10427	M13	261 CW 02-06-03 2000 (JP)
10427	M13	261 CW 16-06-03 Mon 1900 (HFD)
10446.0	M08a	ID 54481 56702 49852 CW 22-06-03 Sun 0800 (MS)
10520	M23	555 CW 30-06-03 0430 (IB)
10520	M23	555 CW 30-06-03 0530 (IB)
10536	M13	746 230 19 CW 03-06-03 2220 (JP)
10537	M13	746 230 19 CW 02-06-03 2120 (JP)
10537	M13	746 CW 03-06-03 Tue 2120 (HFD)
10648.0	E10	YHF2 USB 14-06-03 Sat 2030 (BS4)
10746	S21	in progress AM 17-06-03 1745 (RiN)
10845	M24	239 239 239... then 5fg number msg 564 564 7T 7T = = CW 19-06-03 0800 (MSM)
10858.0	M08a	ID 36392 02523 89713 CW 10-06-03 Tue 1200 (MS)
10858.0	M08a	ID 00733 76671 68581 (Note: did not hear repeat at 1300z on 12093m CW 14-06-03 Sat 1200 (MS)
10858.0	M08a	ID 27941 12642 20252 CW 19-06-03 Thu 1200 (MS)
10858.0	M08a	ID 45123 06222 49246 CW 21-06-03 Sat 1200 (MS)
11157	XP	id 148 AM 03-06-03 0600 (PB)
11157	XP	msg AM 03-06-03 Tue 0600 (HFD)
11157	XP	msg AM 24-06-03 Tue 0600 (HFD)
11157	XP	msg AM 27-06-03 Fri 0600 (HFD)
11420	S06	254 254 254 00000 AM 17-06-03 1850 (RiN)
11420.0	S06	Null TX, poor reception AM 24-06-03 Tue 1850 (HA)
11431.0	M08a	ID 12891 19282 73231 CW 10-06-03 Tue 0500 (MS)
11478	E07	ip AM 05-06-03 Thu 1843 (HFD)
11480	E06	296/0 AM 04-06-03 Wed 2100 (HFD)
11532	XP	msg AM 03-06-03 Tue 2040 (HFD)
11535	XP	Msg AM 10-06-03 2040 (JS3)
11565	E10	EZI 1 AM 11-06-03 2100 (JP)
11565.0	E10	EZI2//6840 USB 04-06-03 Wed 0100 (BS4)
11565.0	E10	EZI2//9130 USB 05-06-03 Thu 0200 (BS4)
11565.0	E10	EZI 12 CDITS//6840, 9130 USB 05-06-03 Thu 2330 (BS4)
11565.0	E10	EZI2 AM 08-06-03 Sun 1930 (JS3)
11565.0	E10	EZI 73 MQUFZ/9130, 6840 AM 09-06-03 Mon 1900 (JS3)
11565.0	E10	EZI2//6840, 9130 USB 13-06-03 Fri 0100 (BS4)
11565.0	M08a	ID 42003 63593 01453 CW 21-06-03 Sat 0400 (MS)
11565.0	M08a	In prog. CW 21-06-03 Sat 0403 (BM)
11565.0	M08a	ID 51403 66892 60103 (rpt of 0300z on 10125m) CW 28-06-03 Sat 0400 (MS)
11612	M13	517 CW 02-06-03 Mon 1900 (HFD)
11612	M13	517 230 22 CW 02-06-03 2000 (JP)
11612	M13	517 CW 03-06-03 Tue 2000 (HFD)
11612	M13	517 CW 16-06-03 Mon 1900 (HFD)
11612	M13	517 CW 17-06-03 Tue 1900 (HFD)
12093.0	M08a	ID 36392 02523 89713 (rpt of 1200z on 10858m) CW 10-06-03 Tue 1300 (MS)

12093.0	M08a	ID 27943 36781 60371 (this should be rpt of 1200z on 10858, but di CW 21-06-03 Sat 1300 (MS)
12195	G06	308 645 139 51663 (139 groups) AM 02-06-03 1900 (AF)
12195	G06	308-645/139=51663 AM 03-06-03 Tue 1900 (HFD)
12212	E07	921 921 921 000 AM 11-06-03 1720 (RiN)
12323	M13	261 269 CW 01-06-03 1900 (JP)
12323	M13	261 269 CW 01-06-03 2000 (JP)
12325	M13	261 CW 15-06-03 Sun 1900 (HFD)
12325	M13	261 CW 15-06-03 Sun 2000 (HFD)
12325.0	M13	261 (R5) BT 269 22 BT CW 01-06-03 Sun 1900 (MS)
12325.0	M13	261 (R5) BT 269 22 BT (rpt of 1900z on 12325m) (signal considerabl CW 01-06-03 Sun 2000 (MS)
12325.0	M13	261 (R5) BT 269 22 BT CW 15-06-03 Sun 2000 (MS)
12325.0	M13	261 (R5) BT 269 22 BT (rpt of 2000z on 12325m) CW 15-06-03 Sun 2100 (MS)
12457	XP	msg AM 03-06-03 Tue 0620 (HFD)
12457	XP	id 148 AM 03-06-03 0620 (PB)
12457	XP	msg AM 24-06-03 Tue 0620 (HFD)
12457	XP	msg AM 27-06-03 Fri 0620 (HFD)
13157	M13	714 CW 12-06-03 Thu 2000 (HFD)
13157	M13	714 CW 27-06-03 Fri 2000 (HFD)
13255	M13	253 CW 05-06-03 Thu 2000 (HFD)
13255	M13	253 CW 19-06-03 Thu 2000 (HFD)
13257.0	M13	253 (R5) BT 228 21 BT CW 06-06-03 Fri 2000 (MS)
13257.0	M13	253 (R5) BT 228 21 BT CW 19-06-03 Thu 2000 (MS)
13380	G06	943-128/ 47=86964 AM 22-06-03 Sun 2020 (HFD)
13405	S10d	555 028 25 34 25 AM 17-06-03 1855 (RiN)
13415	XP	67032 AM 17-06-03 2023 (AF)
13417	XP	msg AM 03-06-03 Tue 2020 (HFD)
13444	XP	msg AM 03-06-03 Tue 2050 (HFD)
13445	XP	msg AM 27-06-03 Fri 2020 (HFD)
13445.0	XP	Strong signal - with a message AM 20-06-03 Fri 2040
13447	E07	234:1-273/72=21130 AM 04-06-03 Wed 2040 (HFD)
13502	S10d	999 999 999 761 761 17 480 480 480 28 47 28 etc AM 17-06-03 1740 (RiN)
13533.0	E10	EZI 123 MTXTG USB 01-06-03 Sun 2100 (BS4)
13533.0	E10	EZI in tfc USB 04-06-03 Wed 2100 (BS4)
13533.0	E10	EZI 16 RRYWE USB 14-06-03 Sat 2100 (BS4)
13857	XP	id 148 AM 03-06-03 0640 (PB)
13857	XP	msg AM 24-06-03 Tue 0640 (HFD)
13857	XP	msg AM 27-06-03 Fri 0640 (HFD)
13918	E07	921 921 921 000 AM 11-06-03 1700 (RiN)
13941.0	S06	Adean Chetirya Devet AM 28-06-03 Sat 1700 (HA)
13966	M22	4XZ. Israeli navy Haifa. VVV CW 17-06-03 1410 (MSM)
13966	M22	4XZ. Israeli navy Haifa CW 22-06-03 1843 (AJP)
13966	M22	4XZ. Israeli navy Haifa. VVV + 5LGs CW 25-06-03 1755
14372	S06	852 852 852 00000 AM 30-06-03 0800 (IB)
14389	E07	234:1-273/72=21130 AM 04-06-03 Wed 2020 (HFD)

14390.0 E07 234, 000, swamped by loud noises (faders?) AM 30-06-03  
 Mon 2020 (FF)  
 14445 S10d 555 028 25 34 25 AM 17-06-03 1855 (RiN)  
 14487 E03 LP. Id 87452 USB 27-03-03 1200 (HPT)  
 14487.0 E03 LP - Call sign very distorted. Calling 35629 AM  
 15-06-03 Sun 1300 (GP)  
 14517 S06 384 384 384 00000 AM 09-06-03 2017 (FS)  
 14570 E06 145 null msg AM 14-06-03 1400 (GN)  
 14580 S06 729/0 AM 11-06-03 Wed 0700 (HFD)  
 14580.0 S06 Chin Dva Dyevet, 0 0 0 0 0 AM 25-06-03 Wed 0700 (HA)  
 14598 XP msg AM 03-06-03 Tue 2000 (HFD)  
 14598 XP Msg AM 17-06-03 2000 (AF)  
 14620 V07 635:1-186/33=77188 AM 19-06-03 Thu 0600 (HFD)  
 14764 M12 663:0 CW 05-06-03 Thu 2120 (HFD)  
 14878 XP msg AM 03-06-03 Tue 2030 (HFD)  
 14935 M23 000 CW 30-06-03 0830 (IB)  
 15533.0 E10 EZI2 AM 09-06-03 Mon 1930 (JS3)  
 15682 E03 LP. Id 87452 USB 27-03-03 1200 (HPT)  
 15930 XPH msg AM 10-06-03 Tue 1850 (HFD)  
 16084 E03 LP. Id 87452 USB 27-03-03 1200 (HPT)  
 16084.0 E03 USB 21-06-03 Sat 1810 (DM)  
 16174 XP msg AM 03-06-03 Tue 2010 (HFD)  
 16284 E07 234:1-273/72=21130 AM 04-06-03 Wed 2000 (HFD)  
 16284.0 E07 234, 000 Cornish accent! AM 30-06-03 Mon 2000 (FF)  
 16313 E06 873 null msg AM 14-06-03 1230 (GN)  
 16321 V07 635:1-186/33=77188 AM 19-06-03 Thu 0620 (HFD)  
 16332.0 MX beacon moscou C CW 03-06-03 Tue 0020 (LC2)  
 16357 M42 Dept of State Comms RTTY 26-03-03 1300 (HPT)  
 17108.0 XM whales on the air with good weak  
 End of USB 03-06-03 Tue 0020 (LC2)  
 17463 M42/X Dept of State Comms. Mazielka calls + Msg on link  
 06 10163 RTTY 01-06-03 1525 (DW)  
 17521 V07 635:1-186/33=77188 AM 19-06-03 Thu 0640 (HFD)  
 18415 M16 8BY. DGSE. CW 1449 (ML4)  
 18415 M16 8BY. DGSE. CW 17-06-03 1359 (MSM)  
 18418 M16 8BY. DGSE. vvv 538/313/788/706/708 CW 26-03-03 1151  
 (HPT)  
 20946 M16 8BY. DGSE. VVV VVV VVV 8BY 8BY 8BY 055 / 612 / 153 /  
 164 / 631 / 449 CW 17-06-03 1355 (MSM)

::: Contributors to the logs section

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EB1AQM	EB1AQM, Spain
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FS	Fabrizio Savini, Italy
GG	Gallus Galus, W.Europe
GN	Gert, Netherlands
GP	Geoffrey Prime
HA	Hamilton Academical, Southern UK
HPT	Hans-Peter Tillmann, Germany
IB	Igor Buhtiyarov, Russia
JAQ	John, Aquila, Central Mediterranean
JB4	J. Bushell, UK
JEN	Jennajon, IL, USA
JP	Jim Prideaux
JS3	Jochen Schaefer, Germany
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